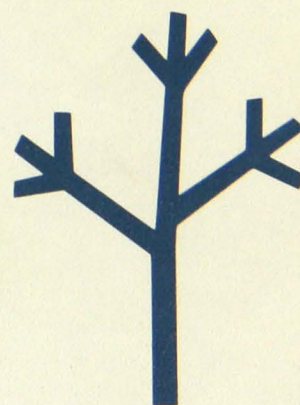


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Insecticide Suggestions To Control Tree, Shrub, Lawn, And Turf Insects In 1975



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Insecticide Suggestions To Control Tree, Shrub, Lawn, And Turf Insects In 1975

Do not use after 1975

Pest	Host/habitat	Insecticide/pesticide	Amount of water		Timing/remarks
			1 gal.	100 gals. Dosage	
Ants	Lawn, turf	Chlordane 50% W.P.* Chlordane 45% E.C.* Chlordane 5-10% Dust or granular Diazinon 48% E.C. (AG 500)	2 tbsp. 2 tsp. ½ lb. per gallon to cover 1,000 sq. ft. 4 fl. oz. per 3 gals.	2 lbs. 2 pints 	Spot treat nests.
Aphids	Apple, basswood, birch, boxelder, elm, flowering shrubs, maple, oak, pine, viburnum, willow	Malathion 57% E.C. Malathion 25% W.P. Dimethoate 25% E.C. (Cygon, DeFend, Rebelate) Oxydemetonmethyl 25% E.C. (Meta-Systox R) Note: The all-purpose garden and fruit mixture of methoxychlor and malathion will control most leaf-feeding and sapsucking insects on trees and shrubs.	2 tbsp. 2 tbsp. 1½ tsp. 1½ tsp.	2 pints 2 lbs. 1½ pints 1½ pints	Foliage spray. Foliage spray. Check label restrictions.
Billbugs	Lawn, turf	Diazinon 48% E.C. (AG 500)	4 fl. oz. in 3 gals. to cover 1,000 sq. ft.		Irrigate lawn after treatment.
Boxelder bug	Ash, boxelder, maple	Carbaryl 80% W.P. (Sevin) Chlordane 45% E.C. Endosulfan 50% W.P. (Thiodan)	4 tsp. 4 tsp. 1½ tsp.	1¼ lbs. ½ gal. 1½ lb.	Apply during late summer. Apply during late summer. Apply during late summer.
Bronze birch borer	Birch	Methoxychlor 50% W.P. Methoxychlor 25% E.C.	2 tbsp. 4 tsp.	2 lbs. ½ gal.	Spray early July. Spray early July.
CATERPILLARS: (Also for sawflies)		Bacillus thuringiensis (Dipel, Thuricide, Biotrol) Carbaryl 80% W.P. (Sevin) 50% W.P. Malathion 57% E.C. Malathion 25% W.P. Methoxychlor 50% W.P. Methoxychlor 25% E.C. Sevimol-4	Use as directed on the label. (Not for sawflies) 4 tsp. 2 tbsp. 2 tsp. 2 tbsp. 2 tbsp. 4 tsp. 1 tbsp.	 1¼ lb. 2 lbs. 2 pints 2 lbs. 2 lbs. ½ gal. 2 pints	
Cankerworm (Spring and Fall)	Apple, ash, basswood, boxelder, cherry, elm, maple, and others	Control as recommended for caterpillars.			Apply at first sign of injury, usually early May.
Cutworm	Lawn, turf	Carbaryl (see caterpillars) Chlorpyrifos 22% E.C. (Dursban) Diazinon 48% E.C. Diazinon 14 G (granular)	1½ fl. oz./30 gals. to cover 1,000 sq. ft. 4 fl. oz. per 3 gals. to cover 1,000 sq. ft. of soil. 1 lb. to cover 1,000 sq. ft. of soil.		
Eastern tent caterpillar	Apple, flowering shrubs, hawthorn, mountain ash, oak, peach, pear, plum, wild cherry	Control as recommended for caterpillars.			When tents first appear, early to Mid-May.

* W.P. = wettable powder.
E.C. = emulsifiable concentrate.

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Pest	Host/habitat	Insecticide/pesticide	Amount of water		Timing/Remarks
			1 gal.	100 gals. Dosage	
Fall webworm	Apple, birch, boxelder, elm, flowering shrubs, oak, willow	Control as recommended for caterpillars.			July and early August.
Oak leaf caterpillars: Red-humped, Variable, Yellow-necked	Basswood, maple, oak	Control as recommended for caterpillars.			August and September.
Spiny elm caterpillar	Elm	For control see under caterpillars.			Late May, early June.
Spruce budworm	Fir, spruce	Carbaryl, Methoxychlor, Sevimol-4. (see under caterpillars for dosage)			When buds open in early June. Second treatment 10 days later.
Walnut caterpillar	Butternut, hickory, walnut	Carbaryl, Methoxychlor, Sevimol-4. (see under caterpillars for dosage)			July to September
White-marked tussock moth	Apple, basswood, elm, poplar	Carbaryl, Methoxychlor, Sevimol-4. (see under caterpillars for dosage)			Mid- late May, occasionally again in August.
Chinch bug	Lawn, turf grasses	Carbaryl, Diazinon, Chlorpyrifos (see cutworm)			
Elm bark beetle	Elm	Methoxychlor 25% E.C.	40 gals. per 100 gals. spray (Mist blower) 8 gals. per 100 gals. (Hydraulic sprayer)		
Galls	Basswood, blue spruce, elm, hackberry, maple, oak, poplar, and others.				Prune out and destroy infested twigs and leaves. Once a gall is formed, a contact pesticide will not control the pest.
Leafbeetles, } Leafhoppers }	Aspen, caragana, cottonwood, elm, willow, many deciduous trees	Carbaryl, Methoxychlor (see under caterpillars for dosage)			Apply when adult beetles appear; repeat when larvae appear.
Leafminers	Birch	Diazinon 50% W.P. Oxydemetonmethyl 25% E.C. (Meta-Systox R)	1 tbsp. 1½ tsp.	1 lb. 1½ pints	
Sawflies:		See under caterpillars for control recommendations, except <i>B. thuringiensis</i> .			
Brown-headed ash sawfly	Ash				Late May to early June.
Introduced pine sawfly	White pine				Early June, again in late August or early September.
Jack pine sawfly	Jack pine				Late May to early June.
Larch sawfly	Larch				Early June
Red-headed pine sawfly	Jack pine				Late June, early July.
Yellow-headed spruce sawfly	Spruce				Late June, early July.

Pest	Host/habitat	Insecticide/pesticide	Amount of water		Timing/remarks
			1 gal.	100 gals. Dosage	
Scales:		Dormant soil sprays			June and early July.
		Ethion 2% Oil	4 fl. oz.	2-3 gals.	
		Diazinon 70 Oil	4 fl. oz.	2-3 gals.	
		Diazinon 25% W.P. in oil	1 tbsp.	1 lb.	
		Note: Dormant oils should be used on deciduous trees and shrubs only. Avoid spraying on maples. Apply in fall after all growth has stopped or in early spring before buds open at temperatures above freezing.			
Cottony maple scale	Basswood, black locust, boxelder, elm, maple	Crawler sprays when crawlers hatch.			Late June, July
European elm scale	Elm	Carbaryl 50% W.P.	2 tbsp.	2 lbs.	Late June, early July.
European fruit lecanium	Variety of trees and shrubs	Malathion 50-57% E.C.	3 tsp.	2-2½ pints	June, early July.
Fletcher scale	Arborvitae, Yew	Malathion 25% W.P.	6 tbsp.	6 lbs.	
Oystershell scale	Apple, birch, cotoneaster, elm, lilac, and others				Early July Early June.
Pine needle scale	Pine, spruce				Late May
Pine tortoise scale	Jack pine, scotch pine				Late June, early July.
Scurfy scale	Elm, hackberry, maple, willow				Late June, early July.
Spruce bud scale	Spruce				Mid-June to early July.
Slugs	Lawn, turf	Chlorpyrifos 22% E.C. (Dursban)	By commercial applicators only		
		Mesuroil 2% Bait	1 lb. to cover 1,000 sq. ft.		
		Metaldehyde 2% Bait	1 lb. to cover 1,000 sq. ft.		
Sod webworm	Lawn, turf grasses	Carbaryl, Chlorpyrifos, Diazinon (see cutworm)			
		Dylox 50 W.P.	4-6 oz./30 gals. to cover 1,000 sq. ft.		
Spider mites	Evergreens, several deciduous trees	Chlorobenzilate 25% E.C.	2 tsp.	1 qt.	
		Chloropropylate 25% E.C.	2 tsp.	1 qt.	
		Dicofol 35% W.P. (Kelthane)	1 tbsp.	1 lb.	
		Ovex 50% W.P.	2 tbsp.	1½ lb.	{ Caution: may injure tender new growth.
		Plictran 50% W.P.	—	4-6 oz.	
		Tetradifon 25% W.P. (Tedion)	—	1½ lb.	
White grub	Lawn, turf	Chlordane 10% Dust or granular	2½ lbs. to cover 1,000 sq. ft.		
			Apply to seedbed before seeding or sodding, or apply to surface of established turf and soak thoroughly. Keep children and pets off treated area until dry.		
		Diazinon 48% E.C.	4 fl. oz. to cover 1,000 sq. ft.		
		Diazinon 2% G	6 lbs. per 1,000 sq. ft.		

